

REMARKS

Claims 16-22, 26, and 29-30 have been cancelled herein. Claims 27 and 28 have been amended herein. Claims 31-40 are newly added.

Claims 27, 28, and 31-40 now remain in the case. Entry of this Response After Final is requested, along with favorable reconsideration of the now-pending claims.

Claims 27 and 28 were indicated as being allowable in the Final Office Action. These two claims have been amended herein to be independent claims.

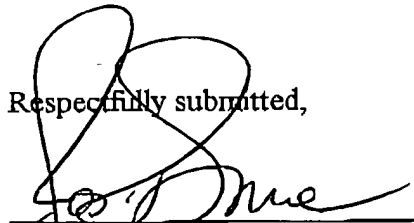
Newly-added Claims 31-40 all depend directly or indirectly from allowed claims 27 and 28. New Claims 31-40 enjoy verbatim support from now-cancelled Claims 17, 18, 21, 22, and 26. No new matter is added and no new issues are presented for consideration.

Insofar as all of the newly-added claims depend from Claims 27 and 28 (which have been indicated as allowable), and all of the previously-rejected claims have been cancelled, Applicants submit that the application is now in condition for allowance.

CONCLUSION

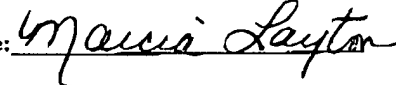
Applicants submit that the application is now in condition for allowance. Early notification of such action is earnestly solicited.

Respectfully submitted,


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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appln. Serial No.: 09/373,272

Group Art Unit: 1635

Filing Date: August 12, 1999

Examiner: Epps, J.

Applicants: Austin-Phillips et al.

Attorney Docket No.: 09820.114

Title: **Transgenic Plants as Alternative Source of Lignocellulosic-Degrading Enzymes**

MARKED-UP CLAIMS AS AMENDED

27. [AMENDED] [The] A genetically recombinant tobacco or alfalfa plant [of Claim 16,] which is stably transformed to contain and express a gene sequence which encodes *T. fusca* cellulase E2.
28. [AMENDED] [The] A genetically recombinant tobacco or alfalfa plant [of Claim 16,] which is stably transformed to contain and express a gene sequence which encodes *T. fusca* cellulase E3.
31. [NEW] The genetically recombinant plant of Claim 27, which is alfalfa.
32. [NEW] The genetically recombinant plant of Claim 27, which is tobacco.
33. [NEW] A method for producing cellulose-degrading enzymes comprising cultivating a genetically recombinant plant according to Claim 27.
34. [NEW] The method of Claim 33, further comprising concentrating the cellulose-degrading enzymes.
35. [NEW] A method of ensilement comprising ensiling a plant according to Claim 27, whereby cellulose-degrading enzymes produced by the plant increase nutritional value of silage.
36. [NEW] The genetically recombinant plant of Claim 28, which is alfalfa.
37. [NEW] The genetically recombinant plant of Claim 28, which is tobacco.
38. [NEW] A method for producing cellulose-degrading enzymes comprising cultivating a genetically recombinant plant according to Claim 28.

39. [NEW] The method of Claim 38, further comprising concentrating the cellulose-degrading enzymes.
40. [NEW] A method of ensilement comprising ensiling a plant according to Claim 28, whereby cellulose-degrading enzymes produced by the plant increase nutritional value of silage.